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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/755,114	01/08/2001	Geoffrey A Wilkin	PM 276508 2749BRCK	5351
909	7590	03/12/2004	EXAMINER	
PILLSBURY WINTHROP, LLP P.O. BOX 10500 MCLEAN, VA 22102			CUEVAS, PEDRO J	
			ART UNIT	PAPER NUMBER
			2834	

DATE MAILED: 03/12/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Supplemental
Notice of Allowability

Application No.

09/755,114

Examiner

Pedro J. Cuevas

Applicant(s)

WILKIN, GEOFFREY A

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed on December 19, 2003.
2. ☒ The allowed claim(s) is/are 11-30.
3. ☒ The drawings filed on 19 December 2003 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.
5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
 - (a) ☐ The translation of the foreign language provisional application has been received.
6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☐ CORRECTED DRAWINGS must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No. _____.
 - (b) ☐ including changes required by the proposed drawing correction filed _____, which has been approved by the Examiner.
 - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet.

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1 <input type="checkbox"/> Notice of References Cited (PTO-892) | 2 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3 <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 4 <input type="checkbox"/> Interview Summary (PTO-413), Paper No. _____ |
| 5 <input type="checkbox"/> Information Disclosure Statements (PTO-1449), Paper No. _____ | 6 <input type="checkbox"/> Examiner's Amendment/Comment |
| 7 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8 <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9 <input type="checkbox"/> Other |

DETAILED ACTION

Drawings

1. The drawings were received on December 19, 2003. These drawings are acceptable.

Allowable Subject Matter

2. Claims 11-30 are allowed.

Mitcham et al. discloses the construction of a rotor disc assembly for use in an electrical machine comprising a rotor disc and at least one circumferential rotor rim mounted on the rotor disc, the rotor rim comprising at least one row of alternate magnets and laminated pole pieces comprising laminations, the laminations in each pole piece being supported by at least one bolt which extends through the rotor disc.

Ostwald teaches the use of an insulating sleeve and an air gap for the purpose of insulating the bolt from the field core.

3. The following is an examiner's statement of reasons for allowance.

The prior art of record, taken alone or in combination, fails to teach the construction of a rotor disc assembly for use in an electrical machine as described on:

independent claim 11, wherein the rotor disc assembly laminations in each pole piece are being supported by at least one un-insulated bolt having an un-insulated outer surface, which extends through the rotor disc, and has a clearance air gap extending the entire distance between the outer surface of the bolt and the laminations, being provided to electrically insulate the laminations from the bolt passing therethrough;

independent claim 18, wherein the laminations in each pole piece are being supported by at least one bolt which extends through the rotor disc, and a clearance air

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gap being provided to electrically insulate the laminations from the bolt passing therethrough;

independent claim 21, wherein an un-insulated fastener having an un-insulated outer surface and extending through the rotor disc, the lamination, the first insulation member, and the second insulating member to attach the pole piece assembly to the rotor disc, and a clearance air gap extending the entire distance between the outer surface of the fastener and the lamination and provided between the lamination and the fastener to electrically insulate the lamination from the bolt.; and

independent claim 26, comprising:

a first insulating member on the first end of the lamination and positioned between the lamination and the rotor disc to electrically insulate the first end of the lamination from the rotor disc,

a second insulating member on the second end of the lamination to electrically insulate the second end of the lamination,

a fastener extending through the rotor disc, the lamination, the first insulation member, and the second insulating member to attach the pole piece assembly to the rotor disc, and a clearance air gap provided between the lamination and the fastener to electrically insulate the lamination from the bolt, wherein the fastener is a bolt, and the second insulating member is positioned between the lamination and a nut attached to the bolt.

Dependent claims 12-17, 19-20, 22-25, and 27-30 are considered allowable by their respective dependence on allowed independent claims 11, 18, 21, and 26.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. See PTO-892.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Pedro J. Cuevas whose telephone number is (571) 272-2021. The examiner can normally be reached on M-F from 8:30 - 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Darren Schuberg can be reached on (571) 272-2044. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9306 for regular communications and (703) 872-9306 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

Pedro J. Cuevas
March 1, 2004



KARL TAMAI
PRIMARY EXAMINER